

88 >  
B CLAIMS

1. Deflection yoke for a colour cathode-ray tube, comprising a pair of horizontal deflection coils (3), a 5 pair of vertical deflection coils (4), these coils being intended to generate magnetic deflection fields perpendicular to a main axis Z, at least one of these two pairs consisting of saddle-shaped coils, the conducting wires of each of the said coils being 10 arranged so as to form a front conductor assembly (25) and a rear conductor assembly (24), the two conductor assemblies being connected to each other by lateral conductor bundles (26), those parts of each of said coils which form the rear conductor assembly and the 15 lateral bundles being arranged approximately symmetrically with respect to a plane P, characterized in that the deflection yoke has means (40, 42, 43) for locally modifying the direction or the amplitude of the magnetic field (H) created by the current flow in said conductor assembly so that, considering a first zone of the front conductor assembly and a second zone 20 symmetrical with the first zone with respect to P, the fields H and H' created in the first and second zones are not symmetrical with respect to P.

25 2. Deflection yoke for a colour cathode-ray tube according to the preceding claim, characterized in that the means (40, 42) for locally modifying the direction of the magnetic field consist of an unsymmetrical arrangement with respect to P of the conductors forming 30 the front conductor assembly of each of the two saddle-shaped coils.

3. Deflection yoke according to the preceding claim, characterized in that the assymmetry results from a local shift of the conductors of said conductor 35 assembly so as to form a depression on the outer or inner surface of the conductor assembly.

4. Deflection yoke according to Claim 1, characterized in that the means for locally modifying the amplitude of the magnetic field comprise at least

one metal plate placed near the front conductor assembly.

5. Deflection yoke according to one of the preceding claims, characterized in that the two saddle-shaped coils are the vertical deflection coils.

6. Deflection yoke according to the preceding claim, characterized in that the means for modifying the magnetic field extend, in a plane perpendicular to Z, about a mean radial direction of between 60° and 90° measured with respect to the direction of the plane of separation of the two coils of the same pair.

7. Deflection yoke according to at least one of the preceding claims, characterized in that the means for modifying the magnetic field are arranged on both of the saddle-shaped coils of the same pair, symmetrically with respect to the Z axis.

8. Cathode-ray tube having a deflection yoke according to at least one of the preceding claims.

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